

Title (en)

Polymerisable dental compositions, and dental prostheses prepared therefrom.

Title (de)

Polymerisierbare Dentalmassen und hieraus hergestellte Dentalformkörper.

Title (fr)

Compositions dentaires polymérisables et prothèses dentaires fabriquées à partir de celles-ci.

Publication

**EP 0127758 A2 19841212 (DE)**

Application

**EP 84104637 A 19840425**

Priority

DE 3316851 A 19830507

Abstract (en)

[origin: US4552906A] A dental composition suitable for being polymerized to a dental prosthesis approximately comprising by weight (A) 20 to 50% of a mixture of monofunctional and polyfunctional methacrylic esters and, optionally, other monomers, (B) 20 to 60% of an essentially non-crosslinked polymer homogeneously filled with microfine inorganic filler and based on (meth)acrylic esters and, optionally, other monomers, (C) 0.5 to 25% of a non-crosslinked polymer having a glass transition temperature  $\leq 0$  DEG C. and a molecular weight  $M_w$  of  $10^3$ - $5 \times 10^5$ , and (D) 0 to 40% of a finely divided inorganic filler treated with an adhesion promoter.

Abstract (de)

Polymerisierbares Dentalmaterial, enthaltend polyfunktionelle (Meth)acrylsäureester als Bindemittel, 5 bis 50 Gew.-% an mikrofeinem anorganischem Füllstoff sowie gegebenenfalls weitere Monomere, anorganischen und/oder organischen Füllstoff, dadurch gekennzeichnet, daß es 0,5 bis 25 Gew.-% eines unvernetzten Polymeren mit einer Glasübergangstemperatur  $\leq 0^\circ\text{C}$  und einem Molekulargewicht  $M_w$  von  $10^3$  -  $5 \cdot 10^5$  enthält.

IPC 1-7

**A61K 6/08**; **C08F 283/02**

IPC 8 full level

**C08F 220/00** (2006.01); **A61K 6/884** (2020.01); **C08F 2/44** (2006.01); **C08F 220/10** (2006.01); **C08F 222/00** (2006.01); **C08F 283/02** (2006.01); **C08L 33/00** (2006.01); **C08L 33/04** (2006.01); **C08L 67/00** (2006.01); **C09J 4/02** (2006.01)

CPC (source: EP US)

**A61K 6/884** (2020.01 - EP US); **C08F 283/02** (2013.01 - EP US)

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